



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

SOYBEANS TURNING YELLOW

As of August 29, 14 percent of soybeans were turning yellow, according to the USDA, NASS, Minnesota Field Office. The percentage of soybeans turning yellow was 12 percentage points ahead of last year but 5 points behind the five-year average. Soybeans were rated in 57 percent good condition and 32 percent excellent condition, generally unchanged from a week ago.

Average temperatures were 3.5° above normal, despite a cold front that moved through the state early Tuesday morning and brought cooler, drier air. Overnight lows dropped into the 40s and 50s by mid-week. Dry conditions allowed 6.2 days to be rated suitable for fieldwork statewide, the highest number since the week of April 25. Topsoil moisture supplies were rated 85 percent adequate and 9 percent surplus, compared to 80 percent adequate and 17 percent surplus last week.

The small grain harvest was virtually complete with spring wheat at 97 percent and oats and barley at 99 percent complete. All three crops were ahead of their averages. The canola harvest was 94 percent complete, compared to 6 percent last year and 55 percent average. Sweet corn was 64 percent harvested, compared to 38 percent last year and 56 percent average. Twenty-eight percent of potatoes were harvested, compared to 15 percent last year and 25 percent average.

Corn progress continued ahead of average. Ninety-five percent of corn was in the dough stage, compared to 48 percent last year and 79 percent average. Corn in the dent stage jumped 33 points this week to 68 percent, compared to 6 percent last year and 48 percent average. Two percent of corn reached the mature stage, compared to 0 percent last year and 3 percent average. Corn harvested for silage was 12 percent complete, compared to 4 percent last year and 13 percent average. Corn was rated in 51 percent good and 40 percent excellent condition, a slight increase from last week.

The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

Days Suitable for Fieldwork: 6.2

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	6	85	9

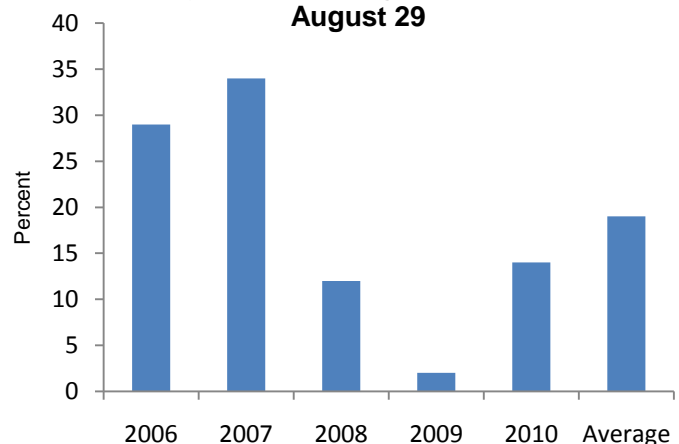
Crop Progress as of August 29, 2010

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dough	95	81	48	79
Corn	Dent	68	35	6	48
Corn	Mature	2	0	0	3
Corn Silage	Harvested	12	3	4	13
Soybeans	Turning Yellow	14	3	2	19
Soybeans	Shedding Leaves	2	NA	0	3
Spring Wheat	Harvested	97	89	26	75
Barley	Harvested	99	95	37	84
Oats	Harvested	99	95	71	92
Potatoes	Harvested	28	23	15	25
Sweet Corn	Harvested	64	46	38	56
Canola	Harvested	94	69	6	55
Dry Beans	Fully Podded	96	78	NA	NA
Dry Beans	Leaves Yellowing	43	23	NA	NA
Dry Beans	Dropping Leaves	16	NA	NA	NA
Dry Beans	Harvested	3	0	4	4
Sugarbeets	Harvested	4	NA	0	0

Condition as of August 29, 2010

	Very Poor	Poor	Fair	Good	Exc
----- Percent -----					
Pasture	0	1	13	66	20
Sugarbeets	0	0	7	60	33
Corn	0	2	7	51	40
Potatoes	0	0	2	64	34
Soybeans	0	1	10	57	32
Sunflowers	1	3	12	69	15
Dry Beans	0	0	15	71	14

Soybeans Turning Yellow as of August 29



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 29, 2010:
Temperatures averaged from 1.9 degrees above normal in the South Central District to 5.8 degrees above normal in the North Central District.
Extremes: 39 degrees in Hibbing; 94 degrees at the Minneapolis Airport.
Average precipitation ranged from 0.90 inch below normal in the Southeast District to 0.01 inch above normal in the Southwest District. Greatest weekly total of 0.96 inch was recorded in Pipestone, Winnebago.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 8/23/2010 through 8/29/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	89	46	68.7	3.1	.08	-.56	-.57	1.78	2057	99
Itasca	86	47	68.2	6.4	.34	-.47	-.38	-.05	1827	225
Moorhead	92	46	70.5	4.0	.07	-.48	.15	2.34	2202	153
Warroad	89	49	66.9	4.0	.06	-.58	-1.47	3.69	1713	9
<u>NC DIST 2</u>										
Grand Rapids	87	47	68.6	6.1	.72	-.06	-.08	2.30	1909	195
Intl. Falls	88	40	66.7	5.4	.49	-.24	.51	5.13	1674	67
<u>NE DIST 3</u>										
Duluth	85	48	67.5	5.9	.11	-.88	2.16	4.47	1739	246
Grand Marais	74	48	60.4	-1.0	.01	-.72	-1.16	-1.88	1181	70
Hibbing	86	39	66.2	5.0	.87	.13	.35	1.39	1746	189
<u>WC DIST 4</u>										
Alexandria	86	51	69.8	4.4	.50	-.30	1.40	1.51	2131	173
Browns Valley	92	47	70.3	2.7	.10	-.46	2.00	1.21	2107	-58
Canby	91	52	71.5	2.7	.42	-.19	-.19	.03	2311	47
Dalton	86	50	69.2	2.8	.36	-.30	2.76	1.68	2184	168
Montevideo	90	50	69.5	2.0	.67	-.00	1.95	1.54	2150	-4
Morris	88	46	67.8	1.1	.61	-.05	3.32	1.01	2132	31
Wheaton	91	50	70.0	2.4	.20	-.34	.20	-2.30	2146	9
<u>CENT DIST 5</u>										
Becker	87	46	69.1	3.9	.46	-.47	-.08	2.76	2290	297
Collegeville	89	51	71.2	3.3	.55	-.32	3.89	1.20	2334	134
Hutchinson	87	56	71.7	4.6	.31	-.54	2.41	5.00	2339	159
Melrose	86	48	68.3	1.8	.55	-.21	5.43	4.60	2053	-27
Olivia	88	50	69.0	2.8	.75	-.01	.76	2.31	2149	27
St. Cloud	90	47	70.6	5.8	.36	-.53	1.62	.26	2202	263
Staples	86	46	68.9	5.6	0	-.68	2.00	3.81	2026	272
Wadena	84	46	66.8	3.4	.49	-.19	3.68	5.58	1865	106
Willmar	89	49	68.8	2.2	.84	.00	3.03	6.00	2230	114
<u>EC DIST 6</u>										
Aitkin	86	43	63.8	1.4	.42	-.40	2.30	1.55	1810m	154m
Forest Lake	90	52	71.7	5.4	.17	-.82	-.73	1.64	2288	219
Hinckley	85	44	65.7	2.9	.31	-.59	3.99	7.48	1819	85
MSP Airport	94	56	74.1	5.8	.23	-.64	.87	.99	2586	325
St. Paul - UofM	87	51	71.5	3.4	.16	-.79	2.42	2.28	2339	120
<u>SW DIST 7</u>										
Lamberton	90	50	70.6	3.5	.77	.04	.80	1.81	2408	202
Marshall	92	51	71.2	3.0	.52	-.13	.40	4.08	2336	93
Pipestone	89	47	69.9	2.9	.96	.26	.56	6.39	2185	66
Redwood Falls	90	49	70.9	2.1	.93	.16	-.77	2.13	2393	60
Worthington	89	52	70.2	4.2	.58	-.18	-.38	1.51	2284	223
<u>SC DIST 8</u>										
Faribault	88	47	66.2	-.4	.11	-.86	-.04	1.16	2296	196
Mankato	90	50	70.0	2.4	.76	-.21	-.71	1.40	2319	124
Waseca	88	46	69.3	2.4	.16	-.83	-2.31	3.04	2312	171
Winnebago	90	51	70.8	3.1	.96	.07	-.31	3.60	2437	223
<u>SE DIST 9</u>										
Preston	91	44	69.3	3.1	.02	-1.01	-1.44	2.51	2372	357
Red Wing	89	51	71.6	3.9	.02	-.87	.15	2.37	2431	251
Rochester	89	47	68.8	3.1	.05	-.87	-.62	.35	2298	304
Rosemount	87	52	70.4	3.9	.22	-.79	1.50	4.04	2306	228
Winona	87	54	71.8	3.9	.03	-.89	1.07	6.33	2353	142

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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